Chapter 6.2 Fill in the blanks

WORDLIST: Earth HUMAN There and cent during face far from holidays inspired is much of one our own seen space surface than that the this to we   
  
6.2 SCIENCE AS A \_\_\_\_\_ ENDEAVOUR: A face in \_\_\_\_\_

The moon is, by \_\_\_, the brightest object in \_\_\_ night sky. Its presence \_\_\_ changing appearance when viewed \_\_\_\_ Earth have raised questions, \_\_\_\_\_\_\_\_ myths and legends, shaped \_\_\_ calendar and even determined \_\_\_ dates of some religious \_\_\_\_\_\_\_\_.

The moon takes \_\_\_ same time to complete \_\_\_ full turn about its \_\_\_ axis as it takes \_\_ orbit the Earth. For \_\_\_\_ reason only one face \_\_ the moon can be \_\_\_\_ from the Earth. The \_\_\_\_ seen from Earth is \_\_\_\_ less mountainous and rugged \_\_\_\_ the other side. Because \_\_\_ moon wobbles a little \_\_\_\_\_\_ its orbit around Earth, \_\_ sometimes get a view \_\_ the edges of the \_\_\_ side. However, 41 per \_\_\_\_ of the moon's surface \_\_ never visible from the \_\_\_\_\_.

Unlike the Earth, \_\_\_ moon has no atmosphere. \_\_\_\_\_ is no air. There \_\_ no water on the \_\_\_\_\_\_\_. There is no wind \_\_\_ no rain. This means \_\_\_\_ there is no erosion.

Part 2

WORDLIST: 2 3 12 13 1610 Galileo 1964 Space 1969 Apollo Buzz Eagle USSR astronauts collecting could events experiments far features first for from fuel his humans landing leap lists moon of on pictures probe reached significant soil space stepped take that the their to took were words   
  
Until 1959, when the \_\_\_\_\_ television pictures were transmitted \_\_\_\_ space, our knowledge of \_\_\_ moon depended on what \_\_\_\_\_ be seen through telescopes \_\_\_\_ Earth. The table below \_\_\_\_\_ some of the important \_\_\_\_\_\_ that have occurred in \_\_\_ quest for knowledge about \_\_\_ moon.

Probing the \_\_\_\_: some important events

Year Event

\_\_\_\_\_\_\_\_\_\_\_\_ Galilei used a telescope \_\_ observe the moon.

1850s Astronomers \_\_\_\_ the first photographs of \_\_\_\_\_\_\_\_ of the moon.

1959 Luna \_ (USSR) became the first \_\_\_\_\_ probe to reach the \_\_\_\_ when it crashed into \_\_\_ surface.

1959 Space probe Luna \_ (USSR) provided the first \_\_\_\_\_\_\_\_ of the previously unseen \_\_\_ side of the moon.

\_\_\_\_\_\_\_\_\_\_ probe Ranger 7 (USA) \_\_\_\_ the first close-up pictures \_\_ the moon.

1966 Luna 9 (\_\_\_\_) became the first space \_\_\_\_\_ to make a soft \_\_\_\_\_\_\_ on the moon and \_\_\_\_ pictures from the surface.

\_\_\_\_\_\_\_\_\_\_\_ 11 (USA) carried three \_\_\_\_\_\_\_\_\_\_ and the lunar lander \_\_\_\_\_ to and from the \_\_\_\_. Astronauts Neil Armstrong and \_\_\_\_ Aldrin became the first \_\_\_\_\_\_ to walk on the \_\_\_\_. They spent three hours \_\_\_\_\_\_\_\_\_\_ soil and rocks, performing \_\_\_\_\_\_\_\_\_\_\_ and setting up equipment \_\_\_ further experiments.

1969 to 1972 Apollo missions \_\_ and 14 17 (USA) successfully \_\_\_\_\_\_\_ the moon, enabling more \_\_\_\_\_\_\_\_\_\_\_ to be completed. Apollo \_\_ failed, stranding the three \_\_\_\_\_\_\_\_\_\_ in space. The astronauts \_\_\_\_ able to return safely \_\_ Earth by using the \_\_\_\_ and oxygen stored in \_\_\_\_\_ lunar lander.

The most \_\_\_\_\_\_\_\_\_\_\_ event since Galileo's use \_\_ a telescope in 1610 \_\_ observe the moon occurred \_\_ 20 July 1969. On \_\_\_\_ day, astronaut Neil Armstrong \_\_\_\_\_\_\_ down from the lunar \_\_\_\_\_\_\_ craft Eagle, and as \_\_\_ foot touched the lunar \_\_\_\_ he uttered the memorable \_\_\_\_\_: That's one small step \_\_\_ a man, one giant \_\_\_\_ for mankind.

WORDLIST: 29½, 750 Distance PROFILE about days in km orbit satellite

-175°C   
  
\_\_\_\_\_\_\_ OF THE MOON

Natural \_\_\_\_\_\_\_\_\_ of the Earth

\_\_\_\_\_\_\_\_ from Earth: 385 000 \_\_ (three days by spacecraft)

Diameter at equator: 3475 \_\_ (Earth's diameter is 12 \_\_\_ km)

Period of \_\_\_\_\_ around Earth: about 29½ \_\_\_\_

Period of rotation \_\_\_\_\_ its own axis: about \_\_\_\_ days

Surface gravity: \_\_\_\_\_ one-sixth that of Earth

Surface temperature: ranges from \_\_\_\_\_\_\_\_\_ in darkness to 125°C \_\_ sunlight